

Secondary Reactions of Melanophores in the Larval
Development of the Frog, *Rana temporaria*, by
I. F. Golichenkova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 2, March 1972, pp 463-466.
CB

Dec 72

Investigation of the Mechanism of the Interaction
of Cells of Carbon-Oxidizing Mycobacteria With
the Substrate by the Paramagnetic Probe Method, by
V. I. Binyukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 2, March 1972, pp 467-469.

CB

Dec 72

Immunoglobulins and Antibodies in the Secretion
of the Respiratory Tract of Humans Immunized
With Live Influenza Vaccine, by Ya. S. Shvartsman.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 2, March 1972, pp 470-472.
CB

Dec 72

Some Kinetic Properties of the Proteolytic Enzymes
of Germinating Wheat Seeds, by I. D. Beresh.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 2, March 1972, pp 473-476.

CB

Nov 72

Analysis of the Buoyant Density of DNA in
Amounts of 1-10 Nanograms, by T. G. Voronova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 2, March 1972, pp 477-479.
CB

Nov 72

Distant Interactions and Their Connection With
Secondary Structure of Globular Proteins, by
V. I. Llm.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 2, March 1972, pp 480-482.

CB

Nov 72

Enzymatic Oxidation of Heterocyclic Compounds
in Microbial Cultures, by G. K. Skryabin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 2, March 1972, pp 483-485.
CB

Nov 72

Participation of Phosphoenolpyruvate Carboxylase
(EC 4. 1. 1. 38) in Photosynthesis, by
I. I. Chernyad'ev.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 2, March 1972, pp 465-487.
CB

Nov 72

Intrathalamic Connections of the Lateral Group
of Nuclei in Rabbit and Cat, by I. I. Figurina.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 2, March 1972, pp 498-501.
CB

Dec 72

Morphofunctional Features of the Tail Fins of
Some Cetaceans, by S. V. Pershin.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 2, March 1972, pp 502-504.
CB

Dec 72

Modeling of Medical and Biological Processes in
Society as a Section of the Dynamics of Continuous
Media, by L. A. Ivachev, N. P. Gamaleya, 5 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Moscow,
Vol 203, No 3, 1972, pp 540-542.
JPRS 56179

June 72

Chromosomal Polymorphism in Two Close Forms of
Subarctic Mice (*Microtus hyperboreus* and *M.*
middendorffii), by E. A. Gileva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203.
No 3, March 1972, pp 689-692.
CB

Dec 72

Principles Governing the Work of the System
Excising Single-Stranded Defects of DNA in
Cells of Higher Organisms, by N. P. Dubinin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 3, March 1972, pp 693-695.
CB

Dec 72

Role of Bacteria in Zooplankton Nutrition in
Dnieper Reservoirs, by D. Z. Gak.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 3, March 1972, pp 696-697.
CB

Dec 72

Induction of Tumors by Rous Sarcoma Virus in Mice
Tolerant to Chick Antigens, by G. -K. S. Chepulis.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 3, March 1972, pp 698-699.
CB

Dec 72

Cleavage of the Peptide Chain of the (A + H)
Blood Group Substance by Proteolytic Enzymes,
by V. A. Derevitskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 3, March 1972, pp 700-703.
CB

Nov 72

Hypotheses Relating to Structural Transitions of
ATPase, by Kh. N. Mikel'saar.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 3, March 1972, pp 704-706.
CB

Nov 72

The Effects of Large G-Forces on the Spatial
Orientation of Bats, by E. Sh. Airapet'yants.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 3, March 1972, pp 723-725.
CB

YRS 56073 (SAP)

Dec 72

Effect of 5-Hydroxytryptophan on the Hypothalamus
- Pituitary - Adrenal Cortex Complex Under Conditions
of Total Deafferentation of the Medial-Basal
Hypothalamus, by N. K. Popova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 3, March 1972, pp 726-728.
CB

Dec 72

Synthesis and Investigation of Phosphoric Acid
Esters Containing a Trichloromethyl Group. The
Preparation Chlofosfol, by Ye. S. Shepeleva,
A. A. Borodach, 6 pp.
RUSSIA, per, Doklady Ak. SSSR, Moscow, Vol 203,
No 4, 1972, pp 356-359.
JPRS 56168

June 72

Study of the Structure of Complexes of Cumyl
Hydroperoxide With Chelate Compounds of Co(II) and
Ni(II) by the NMR Method, by G. M. Bulgakova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 863-866.
CB

Dec 72

Effect of Benzene and Carbon Tetrachloride Absorption
on the Frictional Character of Graphite, by
Yu. N. Vasil'yev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 867-869.
CB

Dec 72

Temperature Dependence of Rate of Reaction of Positrons
With Diamagnetic Organic Molecules, by V. I. Gol'danskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 870-873.
CB

Dec 72

Exchange by Complex Cobalt Ions on Synthetic Zeolites
A, X, Y, and L., by S. P. Zhdanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 874-877.
CB

Dec 72

Peculiarities of the Formation of Reticulated Polymers
From Oligoester Acrylates Via an Anionic Mechanism, by
T. Ye. Lipatova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 878-880.
CB

Dec 72

Two Hydrogen Chloride Elimination Pathways in the
Thermal Destruction of Polyvinyl Chloride, by
K. S. Minsker.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 881-884.
CB

Dec 72

Polymerization of Trioxane in the Presence of Diethyl
Ether, by G. P. Savushkina.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 4, April 1972, pp 885-887.
CB

Dec 72

Effect of Hydrogen-Containing Substances on the
Combustion of Carbon Disulfide, Carbonyl Sulfide, and
Sulfur Vapor, by Ye. N. Sarkisyan.
RUSSIAN, per, Dok Ak Nauk SSSR., Phys Chem., Vol 203,
No 4, April 1972, pp 888-891.
CB

Dec 72

Change in the Heat Resistance of the Organism
and Muscle Tissue of Frog Tadpoles During
Thermal Acclimation as a Stabilizing Adaptation,
by B. P. Ushakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 935-938.
CB

Dec 72

DNA Content in the Somatic Cell and Chromosome
in Polyploid Forms of Wheat, by M. A. Ali-Zade.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 942-944.
CB

Dec 72

Subcellular Location of Morphogenetic Factors in
Acetabularia mediterranea in Stages of Transfer
and Realization of Genetic Information, by

A. V. Pikalov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 945-947.

CB

Dec 72

Synthesis of Antibodies and Nonspecific γ -Globulins
in Mixed Cultures of Syngenic and Allogenic Lymphoid
Cells, by A. A. Mikhailova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 948-950.

CB

Dec 72

Sensory Characteristics of Neurons of the Various
Septal Nuclei, by L. I. Zolotukhina.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 969-972.
CB

Dec 72

Role of Biogenesis of Mitochondria in Adaptation
of Organism to Altitude Hypoxia, by F. Z. Meerson.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 4, April 1972, pp 973-976.
CB

NASA TTF-14, 524 (9AP)

Dec '72

Probability Turning Machines and Recursive
Functions, by A. N. Maslov, 5 pp.
RUSSIAN, per. Doklady Akademii Nauk SSSR, Moscow,
Vol 203, No 5, 1972, pp 1018-1020.
JPRS 56696

Aug 72

Chain Interaction in Inhibiting the Combustion of
Hydrogen, by V. V. Azatyan.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1100-1103.
CB

Dec 72

Melting Point of Certain Molecular Crystals as a
Function of the Electron Excitation Density, by
Ye. A. Galashin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1104-1106.
CB

Dec 72

Decomposition Curve for Uranium-Molybdenum γ Solid
Solutions, by O. S. Ivanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1107-1110.
CB

Dec 72

Determination of the Quantum Yield of Two-Quantum
Reactions, and Triplet - Triplet Absorption Spectra in
the UV Region, by Yu. I. Kiryukhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1111-1114.
CB

Dec 72

NMR Study of the Hydration Numbers of Ion Exchange
Resins, by V. V. Mank.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1115-1117.
CB

Dec 72

Structure of the Energy Bands of Monocarbides of
Transition Metals of Groups IV and V, by V. I. Potorocha.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203, No 5,
April 1972, pp 1118-1121.
CB

Dec 72

Dielectric Properties and Anisotropy of Molecular
Rotation in Nematic Anisylaminoazobenzene, by
V. N. Tsvetkov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1122-1125.
CB

Dec 72

Formation of Radicals With a "Thymine Structure" With
The Radiolysis of Frozen Alkali Solutions of Thymine,
by V. A. Sharpatyi,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, May 1972, pp 1126-1128.
CB

Dec 72

Kinetics and Reaction Mechanism of the One-Electron
Transfer During the Oxidation of p-Phenetidine With
Vanadium (V) Compounds, by K. B. Yatsimirskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 5, April 1972, pp 1129-1131.
CB

Dec 72

Electronmicroscopical Study of Structure of
Proteosin Complex D52 of Proteus Mirabilis
With Specific Antibodies, by A. F. Kretova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1183-1185.
CB

Dec 72

Mechanism of Neurosecretion in a Neutomuscular
Structure (Electron-Microscope Investigation),
by O. M. Pozdnyakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, Feb 1972, pp 1186-1187.
CB

Dec 72

Development of *Crepis capillaris* Strains
With Various Ploidy in Tissue Culture, by
V. P. Zosimovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1188-1189.
CB

Dec 72

On the Determination of the Optimum Environmental
Temperature for Marine Poikilothermic Animals
by Examining the Temperature Conditions at the
Borders of Their Distribution Areas, by A. N. Golikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1190-1192.
CB

Dec 72

Isolation of Individual Proteins Using New
Immunosorbents Capable of Incorporating Large
Amounts of Antigen, by O. B. Kuzovleva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1193-1196.
CB

Dec 72

Dissociation of 7S Vetch and Soybean Proteins in
Urea and Guanidinium Chloride Solutions, by
I. A. Vaintraub.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 5, April 1972, pp 1200-1203.
CB

Nov 72

Resistance to Heat and to Tryptic Digestion of
the Adenylate Kinase of Two Species of Frogs
Differing in their Thermophilicity, by
M. F. Konstantinova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 5, April 1972, pp 1204-1206.
CB

Nov 72

Major and Minor Nitrogenous Bases of the Liver
DNA of White Rats in Ontogenesis, by V. S. Kurtasov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 5, April 1972, pp 1207-1208.
CB

Nov 72

Participation of Carbonic Anhydrase in Chemosynthetic
Assimilation of Carbonic Acid in Thiobacillus
Thiooxidans 58R, by A. K. Romanova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 5, April 1972, pp 1209-1212.
CB

Nov 72

Amount of Hemoglobin in Reindeer Fetuses up to
one and a half Months of Age, by L. I. Irzhak.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1216-1217.
CB

Dec 72

Nucleic Acid Content in Cholinergic and Adrenergic
Spinal Cord Neurons and Their Glial Cell Satellites
During Hypoxic Hypoxia and in the Posthypoxic Period,
by L. Z. Pevzner.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1218-1221.

CB

Dec 72

Changes in the Activities of Glycogen and
Hexosemonophosphate Metabolizing Enzymes
During the Maturation of Groundling Oocytes, by
Yu. G. Yurovitskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 5, April 1972, pp 1222-1224.
CB

Dec 72

Propylene Formation Routes in the Propane Oxidation
Reaction, by M. M. Aleksishvili.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1328-1331.
CB

Dec 72

Effect of the Effective Charges of Molecular Groups on
the Probability of the Absorption of π -Mesons by
Hydrogen, by I. B. Bersuker.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1332-1335.

CB

Dec 72

Structure of Thin Films of Pyrocarbon Obtained From
Methane, by A. Ye. Gorodetskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1336-1338.
CB

Dec 72

Nature of the Active Centers of Zeolites in the
Dehydrogenation of Cyclohexane, by Z. V. Gryaznova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1339-1342.

CB

Dec 72

Investigation of the Primary Products of Photooxidation
of Chlorophyll - a by the Electron Spin Resonance Method,
by V. B. Yevstigneyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1343-1346.

CB

Dec 72

On the Initial Stage of Intradiffusion Kinetics of
Adsorption in the Spherical Particles of Adsorbent in
the Case of Nonlinear Isotherms, by P. P. Zolotarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1347-1350.

CB

Dec 72

Role of Bridge Ions in Electron Transfer Reactions, by
V. G. Levich.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1351-1353.

CB

Dec 72

Molecular Weight Distribution in the Linear Irreversible
Polycondensation Processes Accompanied by Side End
Reactions, by I. K. Nekrasov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1354-1357.

CB

Dec 72

Influence of Entropy Waves on the Stability of Combustion
in a Semi-Closed Volume, by S. S. Novikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1358-1361.
CB

Dec 72

Optical-Deformation Absorption in Polyethylene, by
Vikt. I. Spitsyn.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 203,
No 6, April 1972, pp 1362-1365.
CB

Dec 72

Functional Activity of Heterologous Ribosomes,
by M. A. Aithozhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1403-1404.
CB

Dec 72

Cytophotometric Study of the DNA Content in
the Nuclei of Adrenocortical Cells From Citellus
erythrogeus at Different Seasonal Periods, by
S. G. Kolaeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1405-1407.

CB

Dec 72

The Effect of Ionizing Radiation on the Cytogenetic
Activity of V. faba Root Meristem Substances, by
A. I. Medvedev.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1408-1410.

CB

Dec 72

Ferredoxin-Dependent Formate Dehydrogenase of the
Green Photosynthesizing Bacterium *Chloropseudomonas*
ethylica Strain 5I, by E. N. Kondrat'eva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 6, April 1972, pp 1411-1413.
CB

Nov 72

Estimation of the Error of Derivative of Hill's
Cooperative Coefficient Applied to the Anomalous
Behavior of "Biosynthetic" L-Threonine Dehydratase,
by B. I. Kurganov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 6, April 1972, pp 1414-1417.

CB

Formation of Stabilized Informosome-Like Particles
at Physiological Temperatures, by A. S. Stepanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 203,
No 6, April 1972, pp 1418-1421.
CB

Nov '72

Effect of Motivation of Conditioned Slow Negative
Potential of Human Cerebral Cortex, by
E. A. Kostandov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1429-1432.
CB

Dec 72

Influence of Potassium Ions on the Transport
and Utilization of Glucose in the Frog Skeletal
Muscles, by N. V. Kudryavtseva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1433-1436.
CB

Dec 72

Difference of the Influence of Tl^{+} and Ba^{2+}
as Partial Analogs of K^{+} on the Sodium Pump
in Frog Skin, by Yu. V. Natchin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1437-1440.
CB

Dec 72

Early Mortality in Adrenalectomized Mice With
Reaction of Transplantate Against Host, by
V. F. Semenov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 203,
No 6, April 1972, pp 1441-1444.
CB

Dec 72

Phase Equilibria During the Formation of Gaseous
Hydrates, by S. Sh. Byk.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 204,
No 1, May 1972, pp 123-125.
CB

Jan 73